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PATENT / DOCKET NO. 16356.604 (DC-02762)
CUSTOMER NO. 000027683

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of:
La Vaughn F. Watts Jr., et al.

Serial No. 09/834,846

Filed: April 13, 2001

For: COMPUTER SYSTEM THERMAL LAP MANAGEMENT METHOD AND APPARATUS

U.S. Patent No. 6,928,565

Issued: August 9, 2005

Certificate
SEP 28 2005
of Correction

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 35 USC 254**

Mail Stop Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants hereby request a Certificate of Correction to correct mistakes in the above-identified patent as set forth on the attached form PTO/SB/44. A copy of Letter to Official Draftsperson, along with formal drawings 1 through 9, originally mailed on November 14, 2001, and a copy of return, date-stamped postcard, acknowledging receipt of these documents on January 8, 2002, are attached herewith in support of our Request for Certificate of Correction.

Because the mistakes were incurred through the fault of the Patent and Trademark Office, no fee is believed necessary. However, should any fees be deemed necessary, the Commissioner is hereby authorized to charge any fees which may be required to Deposit Account 08-1394 (16356.604).

Respectfully submitted,

James R. Bell
Registration No. 26,528

Date: 9-20-05

HAYNES AND BOONE, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202-3789
Telephone: 512-867-8407
Facsimile: 214-200-0853

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

On 9/20/05

Nishi Pasarya

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PTO/SB/44 (07-03)
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# UNITED STATES PATENT AND TRADEMARK OFFICE
## CERTIFICATE OF CORRECTION

PATENT NO. : 6,928,565

DATED : August 9, 2005

INVENTOR(S) : Watts, Jr., et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace drawing sheets 1 through 9, Figs. 1-9, as printed in the issued patent with drawing sheets 1 through 5, Figs. 1-9, that were submitted with the Letter to Official Draftsperson on November 14, 2001 (copy attached). Please also replace Fig. 1 as printed on the front page of the patent with the formal Fig. 1.

MAILING ADDRESS OF SENDER:

HAYNES AND BOONE, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202

PATENT NO. 6,928,565

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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| | | |
|---|---|---|
| In re application of: La Vaughn F. Watts, Jr., et al. | § | |
| Serial No.: 09/834,846 | § | Group Art Unit: 2181 |
| Filed: April 13, 2001 | § | Examiner: Unknown |
| For: COMPUTER SYSTEM THERMAL LAP MANAGEMENT METHOD AND APPARATUS | § | |

**LETTER TO OFFICIAL DRAFTSPERSON**

Commissioner For Patents
Washington, DC 20231

Sir:

Enclosed are **Five (5)** sheets of formal drawings in connection with the above-identified patent application. Applicants respectfully request approval.

Respectfully submitted,

James R. Bell
Registration No. 26,528

Dated: 11-14-01

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Facsimile: 512/867-8470

A-122710.1

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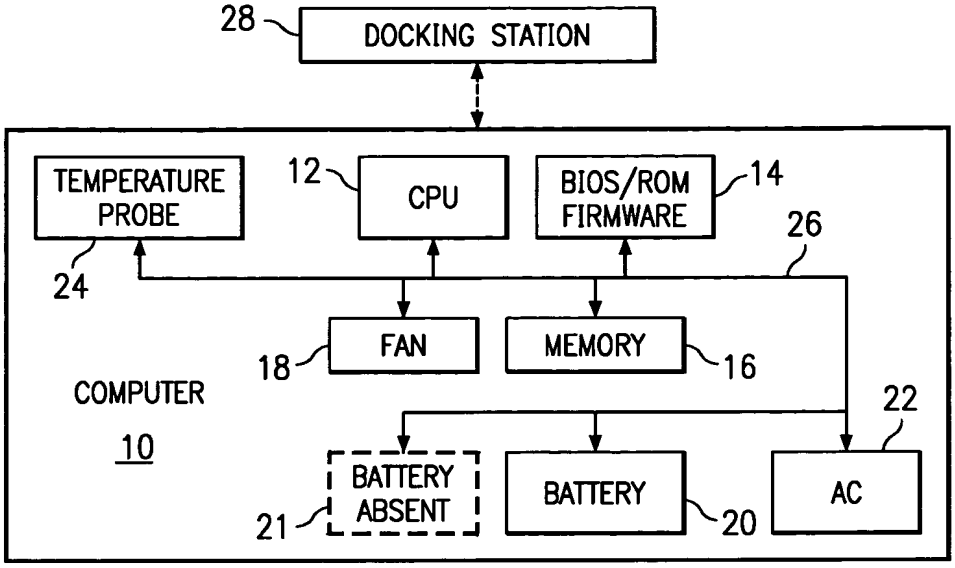


*Fig. 1*

*Fig. 2*

| COOL LAP 7 | SMART CPU | HDD TIMER | MONITOR TIMER | SYSTEM TIMER | ACPI | AMBIENT | SURFACE TEMP |
|---|---|---|---|---|---|---|---|
| OFF | OFF | OFF | OFF | OFF | ON | 22.8 | 23 |
| TIME (MINUTES) | 0 | 5 | 10 | 15 | 20 | 25 | 30 |
| CPU TEMP | 37 | 56 | 60 | 57 | 59 | 60 | 59 |
| CPU TEMP IN F | 98.6 | 132.8 | 140 | 134.6 | 138.2 | 140 | 138.2 |
| CASE TEMP | 24.8 | 28.2 | 31.8 | 34.6 | 36.3 | 38.1 | 38.9 |
| CASE TEMP IN F | 76.64 | 82.76 | 89.24 | 94.28 | 97.34 | 100.58 | 102.02 |
| CPU SPEED | 752 | 752 | 752 | 752 | 752 | 752 | 752 |
| APPLICATION | EXCITE EXTREME 3D FASHION SHOW | | | | | | |
| TIME (MINUTES) | 35 | 40 | 45 | 50 | 55 | 60 | |
| CPU TEMP | 53 | 59 | 51 | 60 | 59 | 58 | |
| CPU TEMP IN F | 127.4 | 138.2 | 123.8 | 140 | 138.2 | 136.4 | |
| CASE TEMP | 40.2 | 41.2 | 41.6 | 42.1 | 42.6 | 42.8 | |
| CASE TEMP IN F | 104.36 | 106.16 | 106.88 | 107.78 | 108.68 | 109.04 | |
| CPU SPEED | 752 | 752 | 752 | 752 | 752 | 752 | |
| APPLICATION | EXCITE EXTREME 3D FASHION SHOW | | | | | | |

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*Fig. 3*

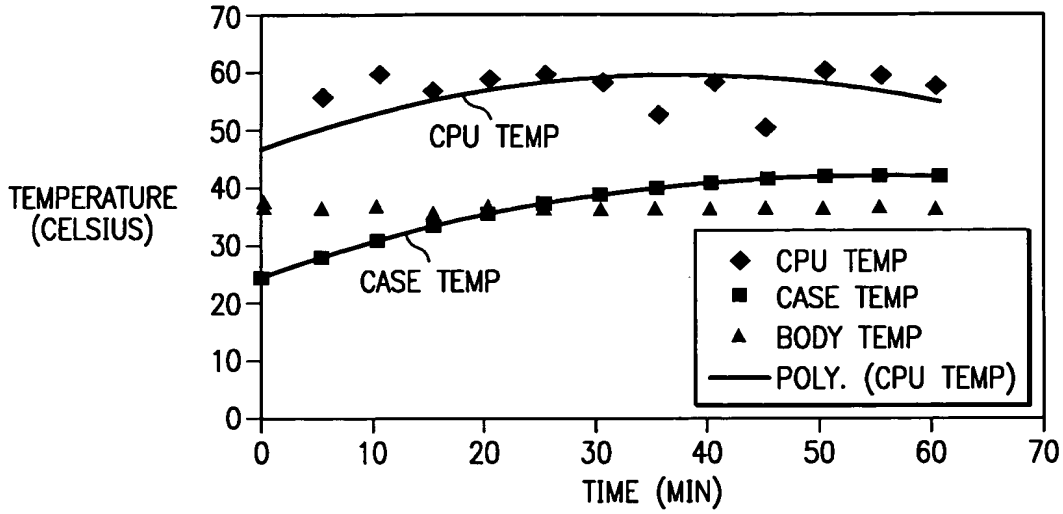


*Fig. 4*

| COOL LAP 7b | SMART CPU | HDD TIMER | MONITOR TIMER | SYSTEM TIMER | ACPI | AMBIENT | SURFACE TEMP |
|---|---|---|---|---|---|---|---|
| ON | ON | OFF | OFF | OFF | ON | 23.1 | 24.4 |

| TIME (MINUTES) | 0 | 5 | 10 | 15 | 20 | 25 | 30 |
|---|---|---|---|---|---|---|---|
| CPU TEMP | 32 | 48 | 47 | 48 | 49 | 49 | 50 |
| CPU TEMP IN F | 89.6 | 118.4 | 116.6 | 118.4 | 120.2 | 120.2 | 122 |
| CASE TEMP | 26.5 | 30 | 32.2 | 33.7 | 34.5 | 35.2 | 35.8 |
| CASE TEMP IN F | 79.7 | 86 | 89.96 | 92.66 | 94.1 | 95.36 | 96.44 |
| CPU SPEED | 693 | 694 | 604 | 604 | 605 | 602 | 604 |
| APPLICATION | EXCITE EXTREME 3D FASHION SHOW | | | | | | |

| TIME (MINUTES) | 35 | 40 | 45 | 50 | 55 | 60 |
|---|---|---|---|---|---|---|
| CPU TEMP | 49 | 49 | 50 | 50 | 50 | 50 |
| CPU TEMP IN F | 120.2 | 120.2 | 122 | 122 | 122 | 122 |
| CASE TEMP | 36.2 | 36.5 | 36.8 | 37 | 37.3 | 37.5 |
| CASE TEMP IN F | 97.16 | 97.7 | 98.24 | 98.6 | 99.14 | 99.5 |
| CPU SPEED | 604 | 603 | 608 | 604 | 604 | 604 |
| APPLICATION | EXCITE EXTREME 3D FASHION SHOW | | | | | |

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*Fig. 5*

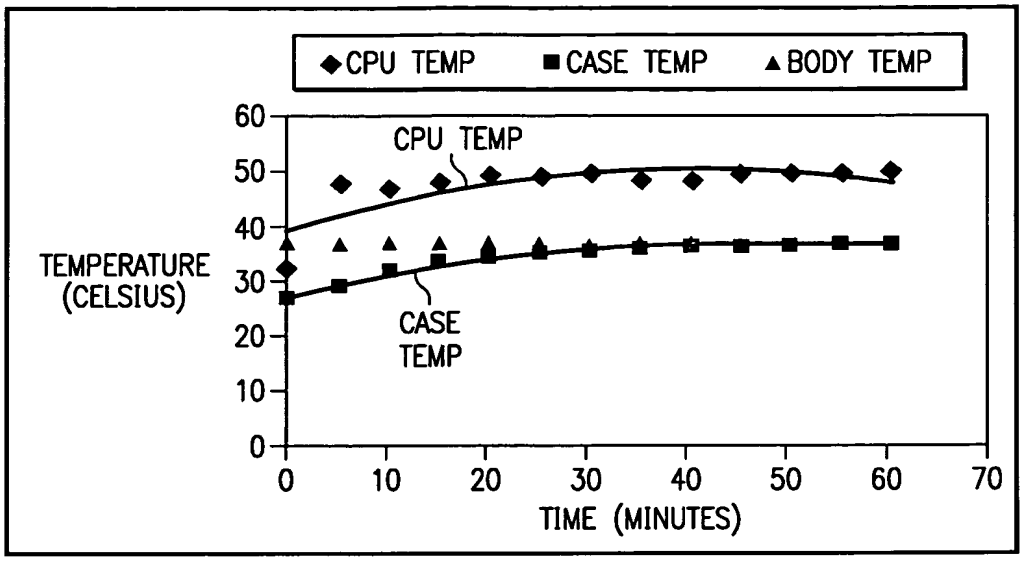


*Fig. 6*

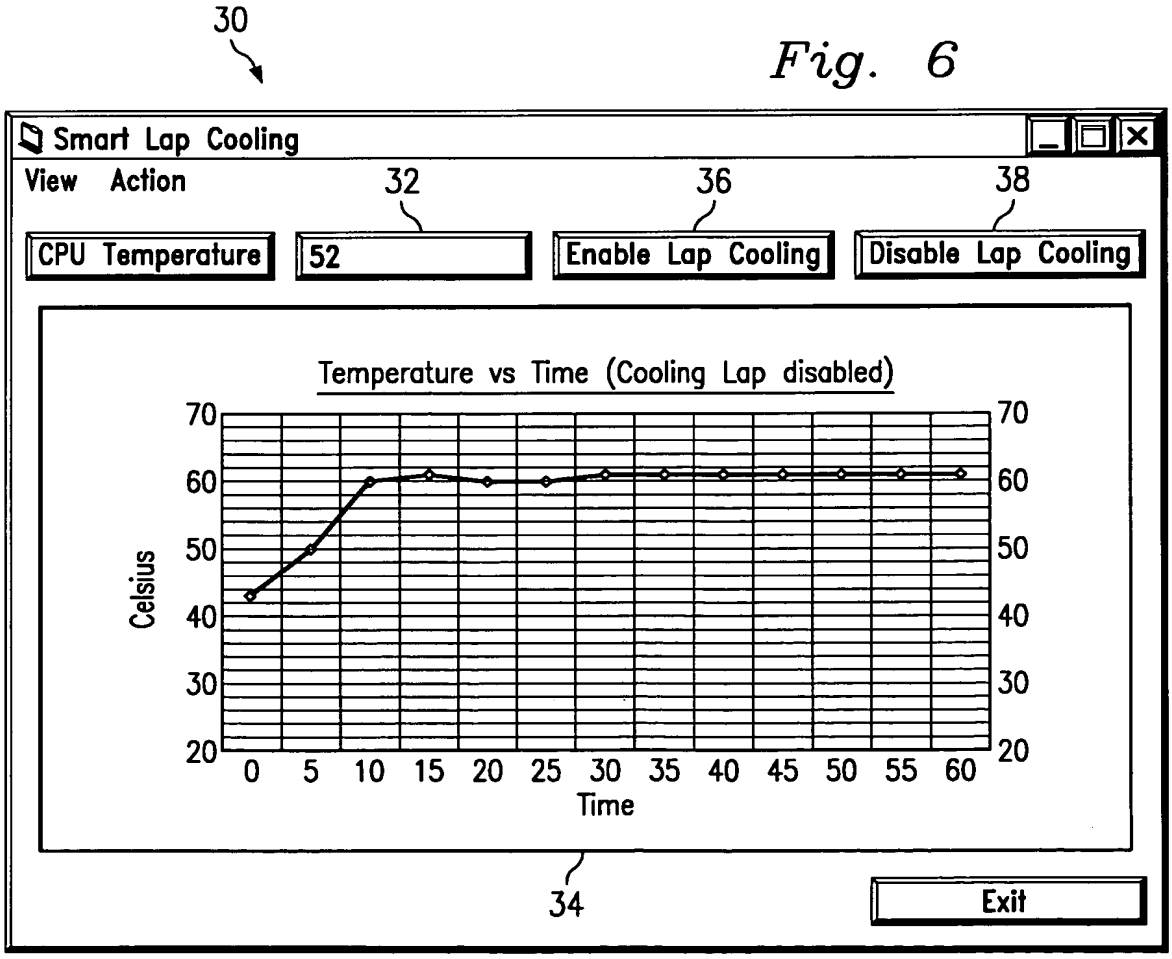


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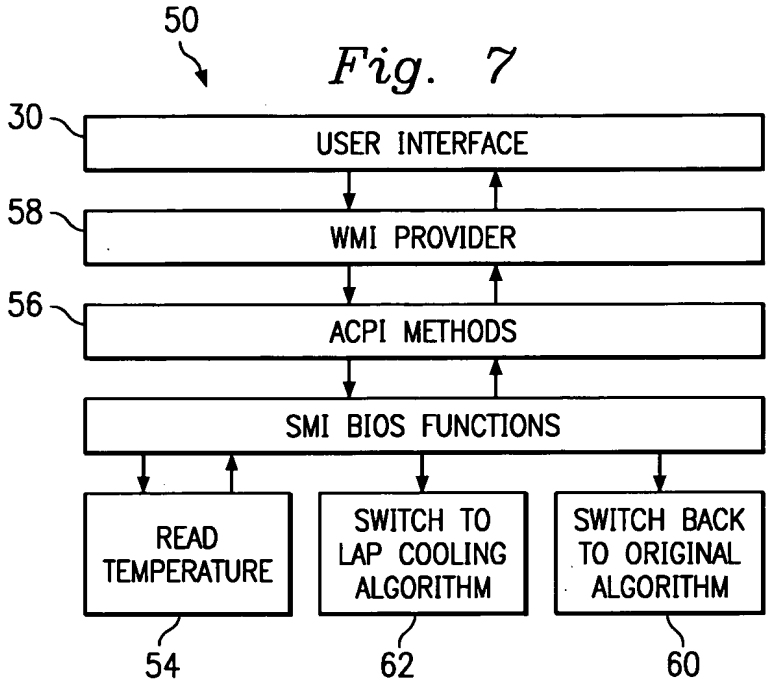
*Fig. 7*




DATA FLOW IN COOL LAP

*Fig. 8*

| LOWER RANGE | VALUE | HIGHER RANGE | VALUE | ACTION |
|---|---|---|---|---|
| TEMP_ABS_LOW: | -128 | RANGE_1_HI: | 23 | No Action |
| RANGE_1_LO: | 20 | RANGE_2_HI: | 25 | No Action |
| RANGE_2_LO: | 22 | RANGE_3_HI: | 26 | TH1, Fan1 Low |
| RANGE_3_LO: | 23 | RANGE_4_HI: | 27 | TH1, Fan1 Hi |
| RANGE_4_LO: | 24 | RANGE_5_HI: | 55 | TH1, Fan1 Hi, Fan2 Low |
| RANGE_5_LO: | 47 | RANGE_6_HI: | 65 | TH2, Fan1 Hi, Fan2 Hi |
| RANGE_6_LO: | 58 | RANGE_7_HI: | 90 | TH3, Fan1 Hi, Fan2 Hi |
| RANGE_7_LO: | 55 | TEMP_CRITICAL-1: | 101 | TH4, Fan1 Hi, Fan2 Hi |
| RANGE_8_LO: | 90 | TEMP_CRITICAL: | 102 | TH4, Fan1 Hi, Fan2 Hi, ACPINOTIFY |
| | | | | SwOff (Power off the unit) |

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*Fig. 9*

| LOWER RANGE | VALUE | HIGHER RANGE | VALUE | ACTION |
|---|---|---|---|---|
| TEMP_ABS_LOW: | -128 | RANGE_1_HI: | 23 | No Action |
| RANGE_1_LO: | 20 | RANGE_2_HI: | 25 | No Action |
| RANGE_2_LO: | 22 | RANGE_3_HI: | 26 | TH1, Fan1 Low |
| RANGE_3_LO: | 23 | RANGE_4_HI: | 27 | TH1, Fan1 Hi |
| RANGE_4_LO: | 24 | RANGE_5_HI: | 50 | TH1, Fan1 Hi, Fan2 Low |
| RANGE_5_LO: | 42 | RANGE_6_HI: | 60 | TH2, Fan1 Hi, Fan2 Hi |
| RANGE_6_LO: | 53 | RANGE_7_HI: | 75 | TH3, Fan1 Hi, Fan2 Hi |
| RANGE_7_LO: | 60 | TEMP_CRITICAL-1: | 101 | TH4, Fan1 Hi, Fan2 Hi |
| RANGE_8_LO: | 90 | TEMP_CRITICAL: | 102 | TH4, Fan1 Hi, Fan2 Hi, ACPINOTIFY |
| | | | | SwOff (Power off the unit) |

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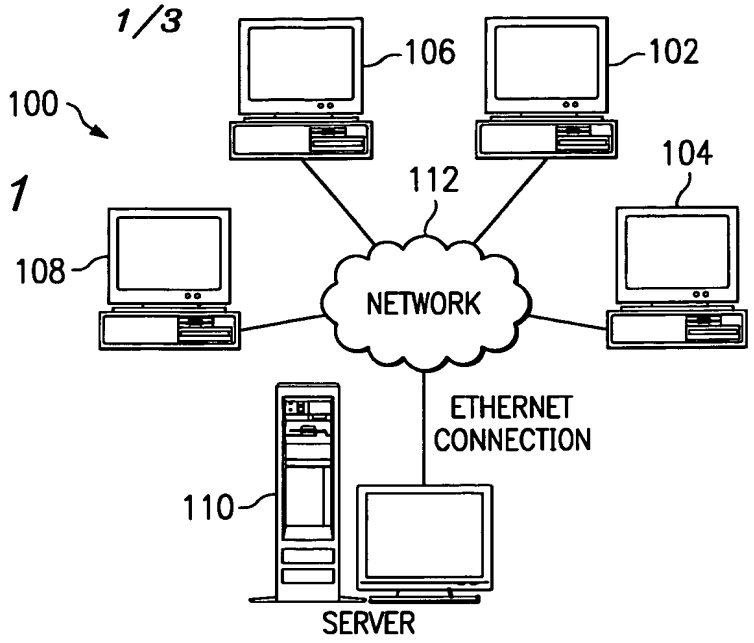


*Fig. 1*

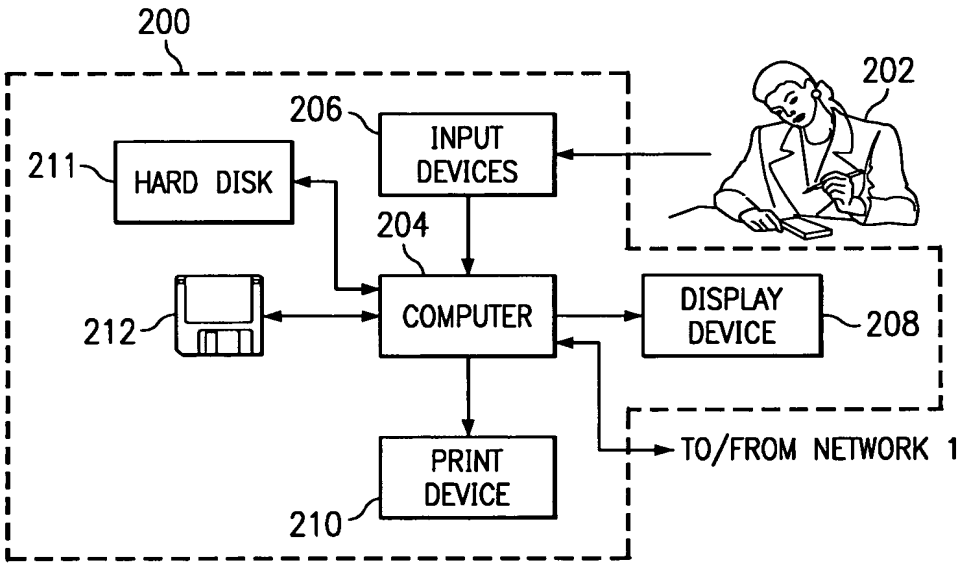


*Fig. 2*

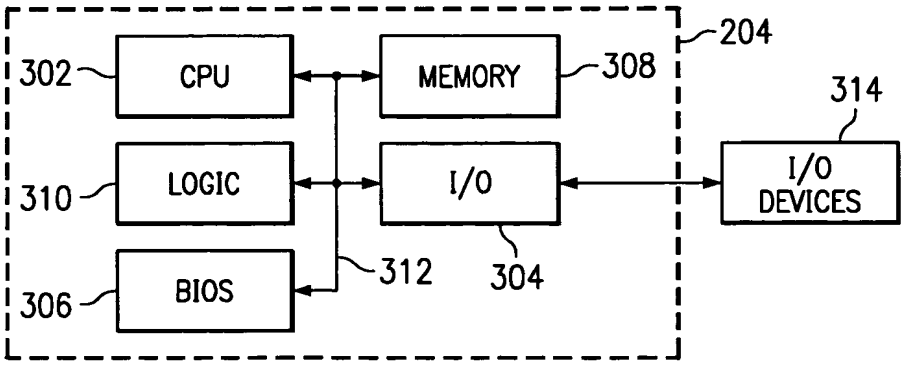


*Fig. 3*

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Fig. 4

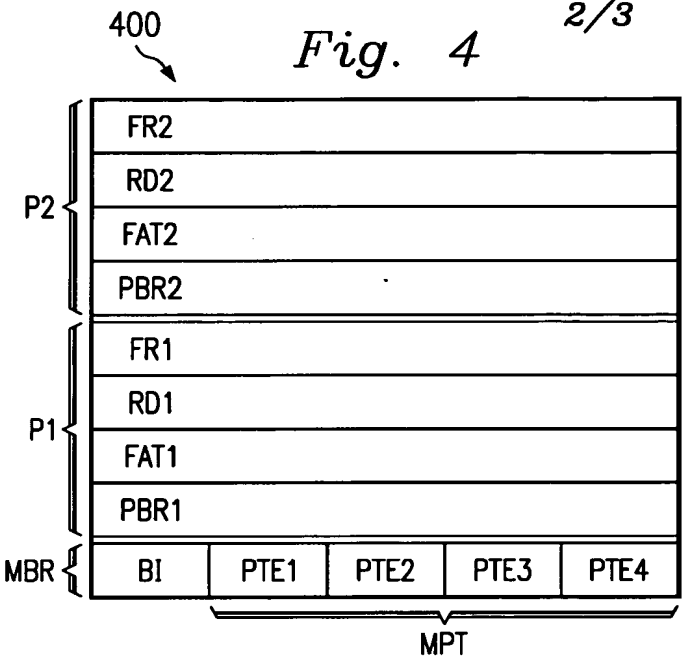


Fig. 5

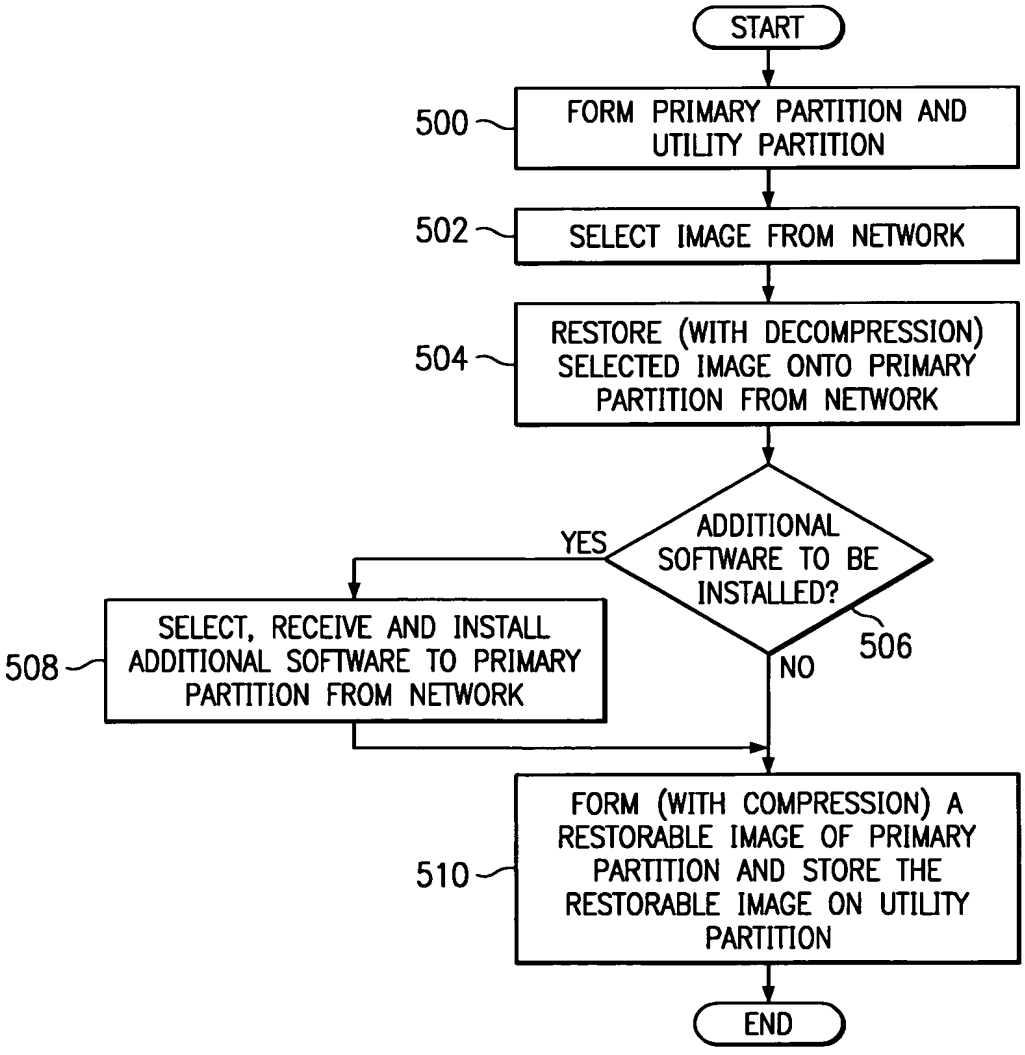


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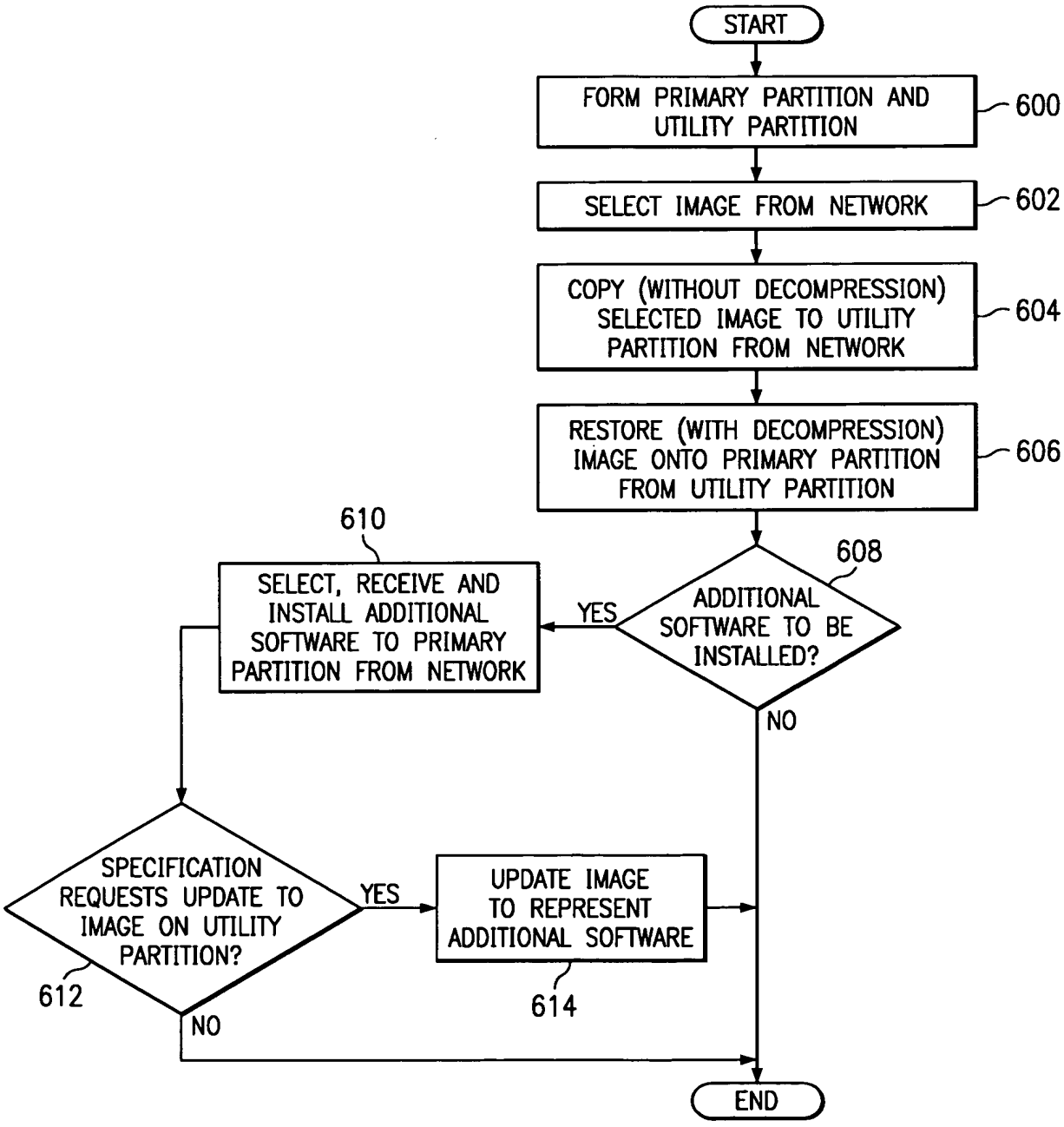
*Fig. 6*

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| APPLICANT | Watts, Jr., et al. | | |
| SERIAL NO. | 09/834,846 | DATE FILED | April 13, 2001 |
| ATTORNEY DOCKET NO. | 16356.604 | | |
| TITLE | COMPUTER SYSTEM THERMAL LAP MANAGEMENT METHOD AND APPARATUS | | |
| SENDER'S INITIALS | JRB/kj/djm | DATE MAILED | 11/14/01 |

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| APPLICANT | Watts, Jr., et al. | | |
| SERIAL NO. | 09/834,846 | DATE FILED | April 13, 2001 |
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1-28-02